

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND THE COMPANY/ UNDERTAKING

1.1. Product Identifier

1. Product Name:	Peppermint Oil
2. CAS No:	8006-90-4
3. EINECS Code:	282-015-4
4. FEMA No:	2848
5. EU Tariff number:	3301 2410
6. Flash Point:	73°C
7. UN Number:	3082

1.2 Other means of identification

Mentha piperita

1.3 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Concentrated aromatic and flavouring agent which should be used as such according to IFRA or FEMAGRAS/FDA guidelines.

Recommended restrictions: For Manufacturing Use Only.

1.4. Details of the supplier of the safety data sheet

Essential Oils of Tasmania Pty Ltd

1520 Channel Highway, Margate, Tasmania, 7054, Australia

For further Information please contact:

E-mail address/s info@eotasmania.com.au
clare@eotasmania.com.au

1.5. Emergency telephone number

Emergency telephone Office: +613 6229 4222
Clare McElDowney: +61400615665

Or contact relevant emergency number or POISON CENTRE.

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Hazardous substance or mixture according to the globally harmonised system (GHS).
Hazardous according to IATA regulations. Restrictions for airfreight transport

(Regulation CLP)

GHS Classifications

Acute toxicity, oral (Category 5)

Aspiration hazard (Category 2)

Skin corrosion/irritation (Category 2)
 Sensitisation, Skin (Category1)
 Serious eye damage/eye irritation (Category2A)
 Hazardous to the aquatic environment, long term hazard (Category 2)

2.2 Label elements including precautionary statements

Pictogram



Signal Word

Warning

Hazard statement(s)

H303	May be harmful if swallowed.
H305	Maybe harmful if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause allergic reaction.
H319	Causes serious eye damage/eye irritation.
H411	Toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention

P261	Avoid breathing vapours.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, smoke while using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse Mouth.
P331	Do not induce vomiting
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P301 + 310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + 352	IF ON SKIN: wash with plenty of water.
P305 + 351 + 338	IF IN EYES: Rinse cautiously with water for several minutes. Remove lenses if present and easy to do. Continue rinsing.
P332 + 313	IF SKIN irritation occurs: Get medical advice/attention.
P333 + 313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P337 + 313	IF eye irritation persists: Get medical advice/attention.

Storage

P405	Store locked up.
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Disposal

P501	Dispose of contents/containers to an approved waste disposal plant.
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2.3 Other Hazards

None

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Author: Clare McEldowney

<https://eotasmania.sharepoint.com/sites/Data/Shared Documents/IQS/1.4 Databases/Product Databases/Safety Data Sheet Register/EOT Product SDS/Peppermint/Peppermint>
 Oil - SDS - Rev.12.docx



3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Peppermint Oil

CAS No: 8006-90-4

100% Purity

Main Components:

Chemical Name	EC-No	Cas. No	Weight %	GHS Classification
(-)-menthol	218-690-9	2216-51-5	40 – 47	Skin Irrit.2 (H315), Eye Irrit. 2 (H319)
(-)-menthone	237-926-1	14073-97-3	15 – 23	Skin Irrit.2 (H315), Skin Sens.1 (H317)
1,8-cineole	207-431-5	470-82-6	3 – 6	Flam. Liq. 3 (H226)
(1R)-(-)-menthyl acetate	220-076-0	2623-23-6	2 – 6	Aquatic Chronic 2 (H411)
neo-menthol	2216-52-6	218-691-4	2.5 – 4.5	Skin Irrit. 2(H315), Eye Dam. 1 (H318), STOT SE 3 (H335)
iso-menthone	207-727-4	491-07-6	2 – 4.5	Skin Irrit.2 (H315), Skin Sens.1 (H317)
menthofuran	207-795-5	494-90-6	≤ 3.2	Acute tox. 4 (H302), Skin Irrit.2 (H315), Eye Irrit. 2 (H319), Aquatic Chronic.2 (H411)
germacrene-D	4-2-3-77	37839-63-7	1 – 3	Acute tox. 4 (H302), Tox. 1 (H304)
iso-menthol	245-554-6	23283-97-8	1 – 3	Skin Irrit.2 (H315), Eye Irrit. 2 (H319)
(R)-(+)-limonene	227-813-5	5989-27-5	1 – 2.5	Flam. Liq. 3 (H226), Asp. Tox. 1 (H304), Skin Irrit.2 (H315), Skin Sens.1 (H317), Aquatic Chronic.1(H410)
β-caryophyllene	201-746-1	87-44-5	1 – 2.5	Acute tox. 4 (H302), Asp. Tox. 1 (H304)
Pulegone	201-943-2	89-82-7	≤ 2.5	Acute tox. 4 (H302), Carc. 2 (H351)
Sabinene hydrate	546-79-2	208-911-7	≤ 2.0	Non-hazardous

For full list of risk symbols and GHS classifications see section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation:** If irritation occurs, remove to fresh air. Seek medical treatment if irritation persists.
- Eye contact:** Rinse thoroughly with plenty of water for 10 – 15 minutes. Immediately consult a doctor/physician.
- Skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothing.
- Ingestion:** Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Contact doctor/physician if feeling unwell.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms, and affects are described in the labelling (See section 2.2), and /or section 11.

4.3. Indication of any immediate medical attention and special treatment

No data available.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

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Use extinguishing measures that are appropriate to local circumstances and the surrounding environment – this material itself is not flammable.

Appropriate Extinguishing Media

Use water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

May produce carbon oxides on combustion.

5.3. Advice for fire-fighters

Special protective equipment for fire fighters:

Use standard procedures for chemical fire. As in any fire, wear self-contained breathing apparatus, MSHA/NIOSH approved (or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation and avoid breathing vapours, gas, or mist. Vapours can accumulate in low areas. Contain spillage if safe to do so. For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entrance into sewers and ground water.

6.3. Methods and material for containment and cleaning up

Contain spillage with non-combustible absorbent material (e.g. sand, earth, diatomite, acid binder, vermiculite, sawdust) and place in container for disposal according to local/national regulations. Alternatively, an electrically protected wet/dry vacuum cleaner can be used to collect spillage and material to container for adequate disposal. Store in adequate, closed container.

6.4. Reference to other sections

For disposal see section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Close packaging after use. Avoid skin, eye contact and ingestion. Wear appropriate personal protection. Avoid high temperatures and sources of ignition – No Smoking. Avoid oxidants and acids. Maintain adequate local and general ventilation where the product is used.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool dry area. Keep container tightly closed in a well-ventilated area. Protect from light. Reproduce labelling if damaged or transferred to another container. Keep upright to prevent leakage.

Temperature: Ideally maintain storage temperature at 2-5°C.

7.3. Specific end use(s)

See section 1.3. No other specific used.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits 10 mg/m³, on the basis of Workplace Exposure Standards for Airborne Contaminants. Australia.

8.2. Exposure controls

General protective and hygienic measures:

Avoid skin and eye contact. Keep away from foodstuffs and beverages. Handle in accordance with good industrial hygiene and safety practice.

Engineering Measures:

Ensure adequate ventilation, especially in confined areas.

Environmental Exposure Controls:

The product should not be allowed to enter drains, water courses or the soil.

Personal protective equipment

Eye/face Protection:	Safety glasses with side-shields conforming to appropriate government standards.
Hand Protection:	Handle with gloves (latex or nitrile). Inspect gloves before handling material. Remove carefully to avoid contaminating skin.
Skin and body protection:	Wear suitable protective clothing where the type will depend on the possible contaminant concentrations.
Respiratory protection:	Where risk assessment suggests respirator is needed due to poor engineering measures, use a full-face respirator of appropriate local quality.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Botanical name:	<i>Mentha piperita</i> L. (Fam. Labiatae).
Aspect (@20° C):	Mobile, viscous oil.
Appearance:	Colourless to pale yellow.
Best before timeframe:	3 years from date of manufacture if stored in original, unopened containers in a cool environment.
Specific Gravity at 20 oC (g/cm³):	0.8960 - 0.9080
Optical Rotation at 20 oC (α):	-32.0 – -18.0
Refractive Index at 20 oC:	1.4580 – 1.4650
Process:	Steam distillation of freshly chopped plant material.
Flash Point (ASTM D3828):	73°C

Other Information

No Data Available

10. STABILITY & REACTIVITY

10.1. Reactivity

Dangerous reactions: No dangerous reactions known if kept in accordance with recommended conditions (section 7.2) and according to relevant identified uses (section 1.2).

10.2. Chemical stability

Stable product if kept in accordance with the recommended conditions (section 7.2) and the relevant identified uses (section 1.2).

10.3. Possibility of hazardous reactions

No unstable or dangerous substances formed in decomposition, if kept according to the recommendations of section 7.2 and according to the relevant identified uses under section 1.2.

10.4. Conditions to avoid

Avoid exposure to high temperatures, flames, sparks and exposure to air or moisture over prolonged periods.

10.5. Incompatible materials

Strongly oxidizing agents.

10.6. Hazardous/decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicological information

Acute Toxicity:	No data available
Respiratory or skin sensitisation:	No data available
Serious eye damage/eye irritation:	No data available
Skin corrosion/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity – single exposure:	No data available
Specific target organ toxicity – repeat exposure:	No data available
Aspiration hazard:	No data available
Additional information:	No data available

11.2. Chronic toxicity

No data available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not allow the product to enter the ground water or drains. Even diluted quantities may cause long lasting effects to aquatic life.

No data available

12.2. Persistence and degradability

No data available

12.3. Bio-accumulative potential

No data available

12.4. Mobility in soil

No data available

12.6. Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products:

Dispose of in accordance of legal requirements regarding environmental protection and regarding disposal of waste as well as the requirements of any local authorities. Surplus and not recyclable products should be eliminated by an authorized waste collection company. This combustible material can also be eliminated by burning in a chemical incinerator equipped with after burner and scrubber.

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Labels Requires:



Marine Pollutant:



IMDG, ADR, IATA:

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (PEPPERMINT OIL)

Hazard class: 9

UN/ID No: 3082

Environmental Hazard: Marine pollutant

Packing Group: III

Special Provisions: —

Additional Information:

None

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Classification according to the directive EU 67/548.EEC and 1999/45/CE.

International Inventories

TSCA	-
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IENSC	-
AICS	-
KECL	-

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory.

EINECS/ELINCS – European Inventory of Existing Chemical Substances/EU List of Notified Chemical Substances.

DSL/NDL – Canadian Domestic Substances List/Non-Domestic Substances List.

PICCS – Philippines Inventory of Chemicals and Chemical Substances.

ENCS – Japan Existing and New Chemical Substances.

IECSC – China Inventory of Existing Chemical Substances.

AICS – Australian Inventory of Chemical Substances.

KECL – Korean Existing and Evaluated Chemical Substances.

15.2. Chemical safety assessment

No data available.

16. OTHER INFORMATION

Preparation according to WHS and ADG requirements and According to GHS 8

Revision: 16/9/2021,

Main area's of review include section 2, 14 and 15 with minor updates throughout.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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End of Safety Data Sheet